

1/21

FIG.1

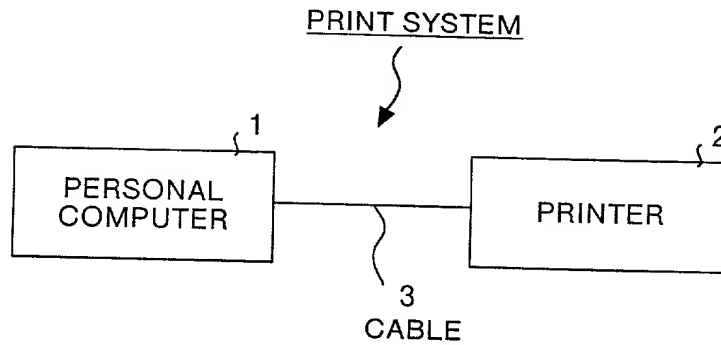


FIG.2

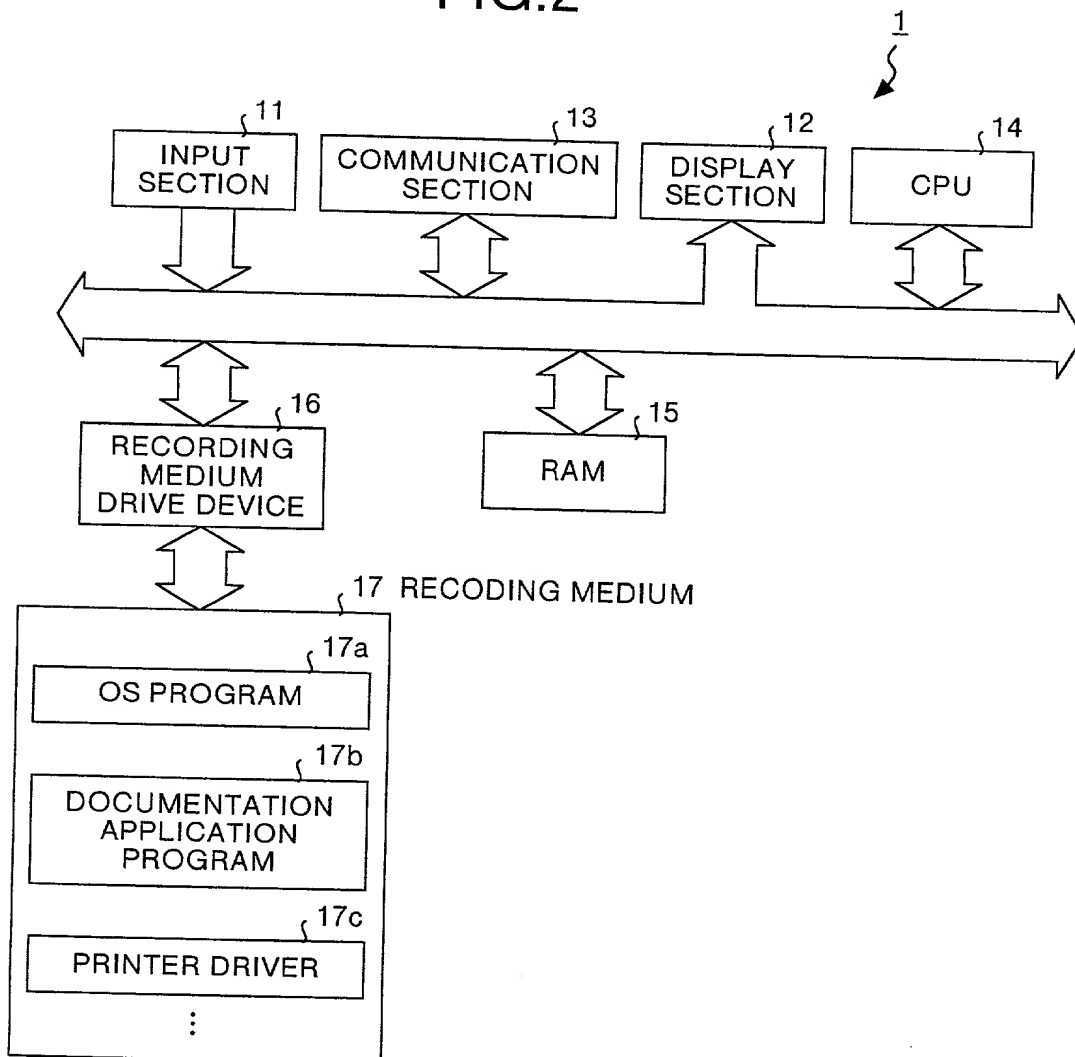
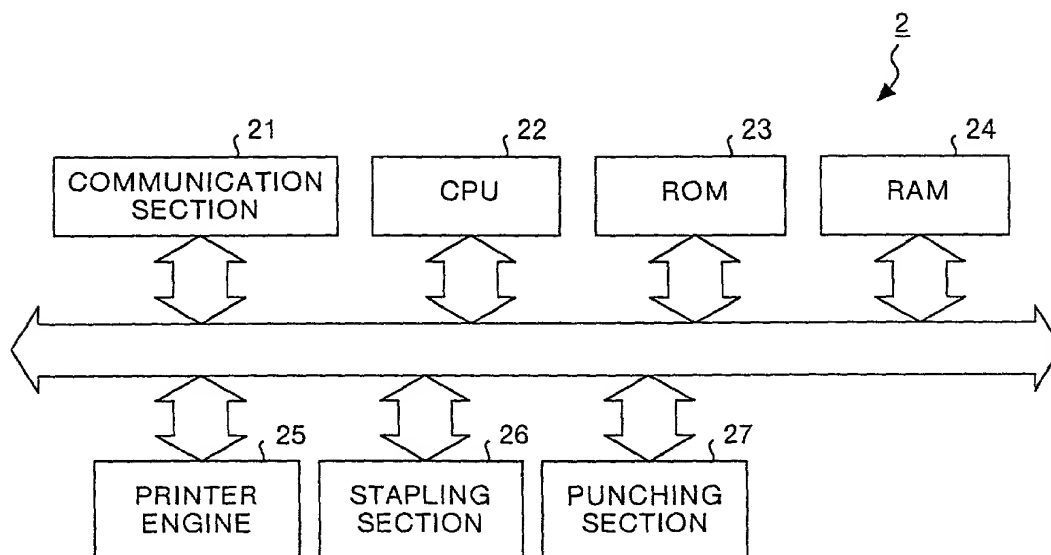


FIG. 1

FIG.3



3/21

FIG.4

	PRINTING CONDITION	FILE NAME	IMAGE DATA
DOCUMENT BASE IMAGE	DOCUMENT: LENGTHWISE PRINTING PAPER: LENGTHWISE	I1MP.bmp	
	DOCUMENT: SIDEWISE PRINTING PAPER: SIDEWISE	I1ML.bmp	
	AGGREGATION, PRINTING TWO PAGES→ONE PAGE DOCUMENT: LENGTHWISE PRINTING PAPER: SIDEWISE	I2MP.bmp	
	AGGREGATION, PRINTING TWO PAGES→ONE PAGE DOCUMENT: SIDEWISE PRINTING PAPER: LENGTHWISE	I2ML.bmp	
	⋮		
AGGREGATED PARTITION LINE	PARTITION LINE FOR PRINTING TWO PAGES IN ONE PAGE DOCUMENT: LENGTHWISE PRINTING PAPER: SIDEWISE	ILin2P.bmp	
	PARTITION LINE FOR PRINTING TWO PAGES IN ONE PAGE DOCUMENT: SIDEWISE PRINTING PAPER: LENGTHWISE	ILin2L.bmp	
	⋮		
ARROWS INDICATING AGGREGATED PRINTING ORDER	AGGREGATED PRINTING ORDER FOR PRINTING TWO PAGES IN ONE PAGE LEFT→RIGHT DOCUMENT: LENGTHWISE PRINTING PAPER: SIDEWISE	IArr2AP.bmp	
	AGGREGATED PRINTING ORDER FOR PRINTING TWO PAGES IN ONE PAGE RIGHT→LEFT DOCUMENT: LENGTHWISE PRINTING PAPER: SIDEWISE	IArr2BP.bmp	
	AGGREGATED PRINTING ORDER FOR PRINTING TWO PAGES IN ONE PAGE TOP→BOTTOM DOCUMENT: LENGTHWISE PRINTING PAPER: SIDEWISE	IArr2AL.bmp	
	⋮		
DOUBLE FACE	DOUBLE FACE/LEFT SIDE BINDING PRINTING PAPER: LENGTHWISE	IDupLP.bmp	
	DOUBLE FACE/RIGHT SIDE BINDING PRINTING PAPER: LENGTHWISE	IDupRP.bmp	
	DOUBLE FACE/UPPER SIDE BINDING PRINTING PAPER: LENGTHWISE	IDupTP.bmp	
	⋮		

FIG. 4

FIG.5

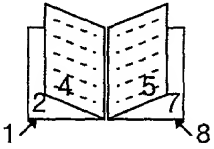
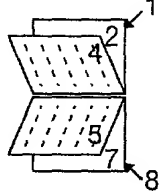
	PRINTING CONDITION	FILE NAME	IMAGE DATA
BINDING	BINDING/MINI-BOOK, LEFT OPENING DOCUMENT: LENGTHWISE, PRINTING PAPER: SIDEWISE	IBookALMP.bmp	
	BINDING/MINI-BOOK DOCUMENT: SIDEWISE, PRINTING PAPER: LENGTHWISE	IBookAML.bmp	
	⋮		
STAPLES	STAPLE/OBlique, ONE, LEFT PRINTING PAPER: LENGTHWISE	IStp1SLP.bmp	/
	STAPLE/TWO, LEFT PRINTING PAPER: LENGTHWISE	IStp2LP.bmp	
	STAPLE/TWO, RIGHT PRINTING PAPER: LENGTHWISE	IStp2RP.bmp	
	STAPLE/ONE, UPPER LEFT (DIRECTION UNCERTAIN) PRINTING PAPER: LENGTHWISE	IStp1_LP.bmp	*
	STAPLE/ONE, UPPER RIGHT (DIRECTION UNCERTAIN) PRINTING PAPER: LENGTHWISE	IStp1_RP.bmp	*
	⋮		
PUNCH	PUNCH/TWO, LEFT PRINTING PAPER: LENGTHWISE	PunLP.bmp	o o
	PUNCH/TWO, RIGHT PRINTING PAPER: LENGTHWISE	IPunRP.bmp	o o
	⋮		
⋮	⋮		

FIG. 5

5/21

FIG.6

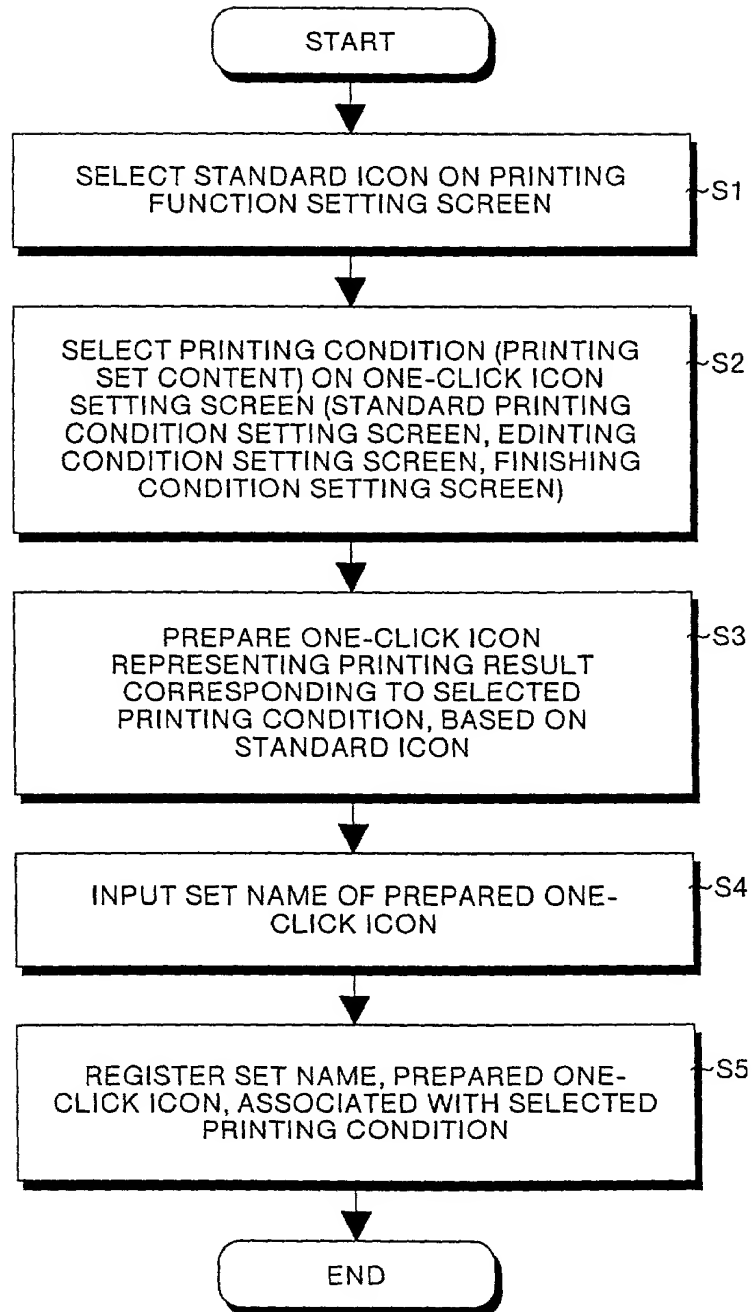


FIG. 6

PRINTER PROPERTIES

PRINTING FUNCTIONS PRINTING QUALITY

ONE-CLICK SET NAME: b1

CONTROL OF ICON

11 NORMAL 12 AGGREGATED 13 STAMP (COPY) 14 DOUBLE FACE PRINTING 15 AGGREGATED (DOUBLE FACE) STAPLE

PAPER FEED TRAY: AUTOMATIC TRAY SELECTION

PAPER TYPE: REGULAR PAPER

PAPER EJECTING DESTINATION: FINISHER TRAY 2

ONE-CLICK SETTING CREATION/CHANGE... b2

DOCUMENT ORIENTATION: ☒ LENGTHWISE ☐ SIDEWISE a2

DOCUMENT SIZE: A4(210X297 mm) a4

PRINTING PAPER SIZE: SAME AS DOCUMENT SIZE a5

NUMBER OF SETS: 1 a3

PRINTING DIRECTION: NORMAL PRINTING

DETAILS OF PRINTING METHOD...

RETURN TO STANDARD

INITIAL SETTING...

OK CANCEL b3

APPLY (A) HELP

FIG. 7

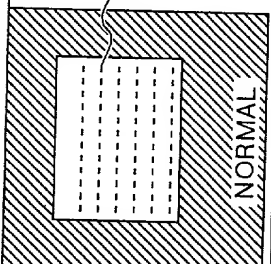
7/21

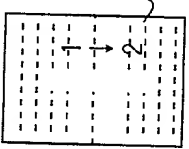
FIG.8

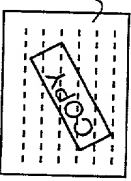
PRINTER PROPERTIES

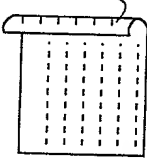
PRINTING FUNCTIONS PRINTING QUALITY

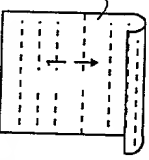
ONE-CLICK SET NAME: ? X b1


 16
 NORMAL


 17
 AGGREGATED


 18
 STAMP (COPY)


 19
 DOUBLE FACE
PRINTING


 110
 AGGREGATED
(DOUBLE FACE) STAPLE

CONTROL OF ICON

PAPER FEED TRAY: AUTOMATIC TRAY SELECTION ▼

PAPER TYPE: REGULAR PAPER ▼

PAPER EJECTING DESTINATION: FINISHER TRAY 2 ▼

INITIAL SETTING...

ONE-CLICK SETTING CREATION/CHANGE...

DOCUMENT ORIENTATION: ☒ LENGTHWISE ☐ SIDEWISE a2

DOCUMENT SIZE: A4(210X297 mm) a4

NUMBER OF SETS: 1 a3

PRINTING DIRECTION: NORMAL PRINTING a3

DETAILS OF PRINTING METHOD...

PRINTING PAPER SIZE: SAME AS DOCUMENT SIZE a5

RETURN TO STANDARD

OK CANCEL APPLY (A) HELP

b3

8/21

FIG.9

PRINTER PROPERTIES [?] [X]

BASIC EDITING FINISHING OTHERS d10

ONE-CLICK SET NAME: a10
NORMAL

PRINTING SIZE: a11
A4(210X297mm)

PRINTING PAPER SIZE:
SAME AS DOCUMENT SIZE

AGGREGATED OR ENLARGED RAPID SHOOTING: FROM LEFT TO RIGHT
AGGREGATE TWO PAGES INTO ONE PAGE a13

CONFIDENTIAL a15
ADD IMAGE STAMP...
STAMP d12

DELETION...
ADD CHARACTER STAMP...
RETURN TO STANDARD

DOUBLE FACE/BINDING DOUBLE FACE : OPEN TO THE LEFT a14

1 2 d11
2 1

1 2 3 4 5 8 8

BINDING MARGIN : LEFT:0.0mm d13
DETAILS OF BINDING MARGIN...

STORE WITH A NAME... b18
CANCEL
HELP

FIG. 10

BASIC CONDITION SETTING SCREEN

PRINTER PROPERTIES

BASIC	EDITING	FINISHING	OTHERS
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>ONE-CLICK SET NAME: a10</p> <div style="display: flex; align-items: center;"> <div style="flex-grow: 1;"> <div style="background-color: #cccccc; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> </div> </div> </div> <div style="width: 48%;"> <p>DOCUMENT SIZE: A4(210X297 mm)</p> <div style="display: flex; align-items: center;"> <input type="checkbox"/> VARIABLE POWER <input checked="" type="checkbox"/> PAPER DESIGNATED VARIABLE POWER </div> <p>PAPER FEED TRAY: a11</p> <p>PRINTING METHOD: NORMAL PRINTING</p> <p>DETAILS OF PRINTING METHOD</p> </div> </div>			
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>DOCUMENT ORIENTATION:</p> <div style="display: flex; align-items: center;"> <div style="flex-grow: 1;"> <div style="background-color: #cccccc; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> </div> </div> <p>NUMBER OF SETS: 1</p> <p>CENTERING <input type="checkbox"/></p> </div> <div style="width: 48%;"> <p>DOCUMENT ORIENTATION:</p> <div style="display: flex; align-items: center;"> <input checked="" type="radio"/> LENGTHWISE <input type="radio"/> SIDEWISE </div> <p>DETAILS OF THE COVER...</p> <p>COVER <input type="checkbox"/></p> <p>JOINED PAPER <input type="checkbox"/></p> <p>RETURN TO STANDARD</p> </div> </div>			
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>STORAGE WITH A NAME...</p> <p>CANCEL</p> <p>HELP</p> </div> <div style="width: 48%;"> <p>STORE WITH A NAME...</p> <p>CANCEL</p> <p>HELP</p> </div> </div>			

FIG. 11

Figure 1 is a screenshot of a printer's "FINISHING CONDITION SETTING SCREEN". The screen features a title bar with "PRINTER PROPERTIES" and a menu bar with "BASIC", "EDITING", "FINISHING", and "OTHERS". The "FINISHING" menu is currently selected. The main content area includes a "ONE-CLICK SET NAME" field (a10) with a dropdown arrow and a "COPY" icon. Below this is a large empty rectangular box (a11). To the right, there is a "SORT (PER ONE PART)" checkbox. Further down, the "STAPLE" section (d31) contains a "STAPLE" checkbox and a "STAPLE" icon. The "PUNCH" section (d32) contains a "PUNCH" checkbox and a "PUNCH" icon. At the bottom, there are four buttons: "RETURN TO STANDARD", "STORE WITH A NAME...", "CANCEL", and "HELP". The screen is annotated with various reference numerals: b11, b12, b13, a10, a11, a31, a32, d31, d32, and b18.

FIG.12

ONE-CLICK ICON REGISTRATION SCREEN

INPUT ONE-CLICK SET NAME/COMMENT

ONE-CLICK SET NAME: a41

COMMENT OF ONE-CLICK SETTING: a42

OK CANCEL HELP

b41

FIG. 13

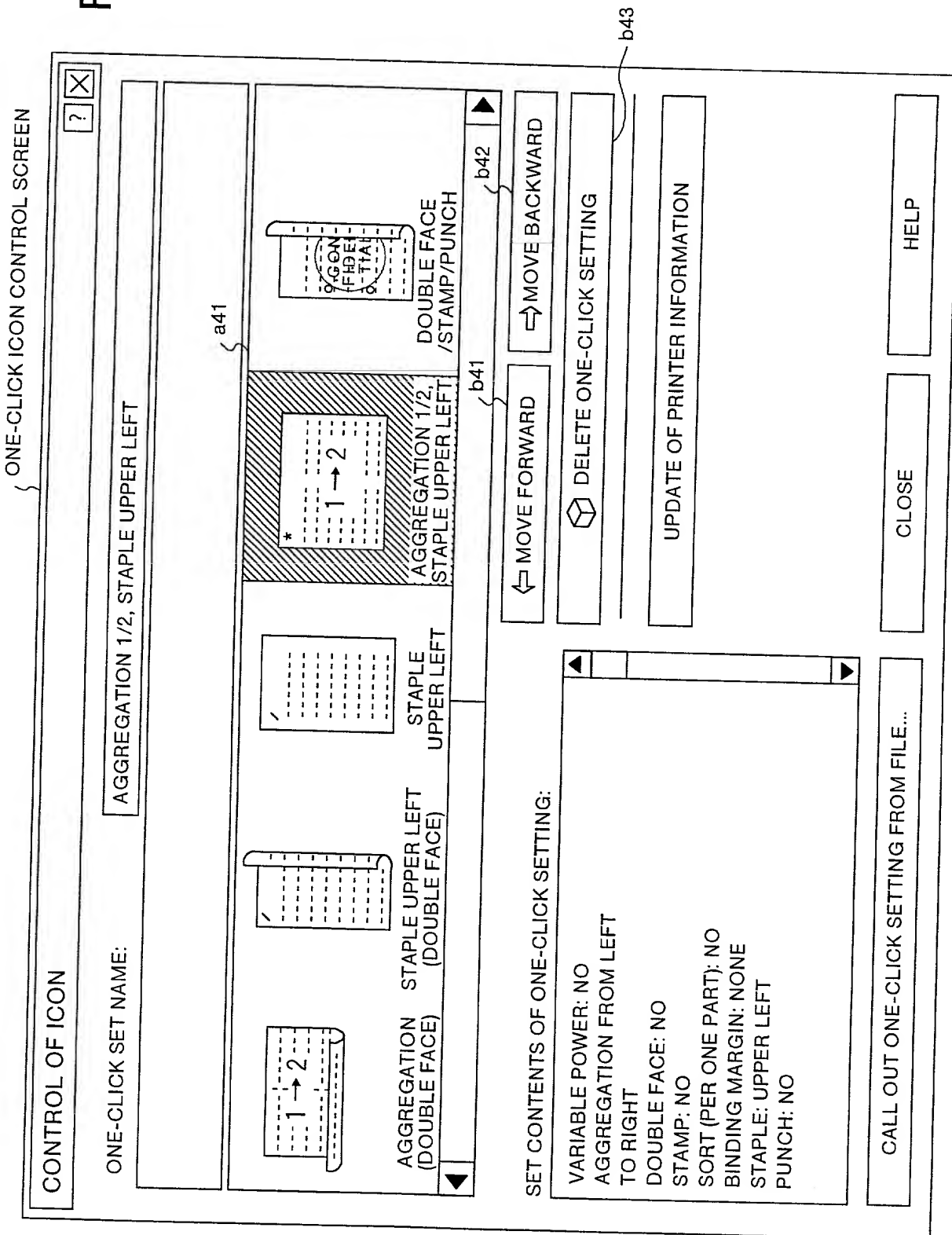


FIG. 14

FIG. 15

Figure 1 is a schematic diagram of a document processing software interface. The interface is divided into several sections. At the top, there are tabs for "BASIC", "EDITING", "FINISHING", and "OTHERS", with "OTHERS" being the active tab. Below the tabs, there is a "ONE-CLICK SET NAME:" field with a dropdown menu showing "NORMAL". To the right of this is a "PRINTING PAPER SIZE:" field set to "A4 (210X297mm)". The main area is divided into two columns. The left column contains a "DOUBLE FACE/BINDING" section with a "DOUBLE FACE, OPEN TO LEFT" option selected, and a "PARTITION LINE" section with a "PARTITION LINE" option selected. The right column contains a "STAMP" section with a "CONFIDENTIAL" stamp selected, and a "BINDING MARGIN" section with a "LEFT: 0.0 MM" setting. At the bottom, there are buttons for "EDIT", "DELETE", "ADD CHARACTER STAMP", "ADD IMAGE STAMP", "DETAILS OF BINDING MARGIN", "RETURN TO STANDARD", "STORE WITH A NAME", "CANCEL", and "HELP". Various labels (a10, a11, a12, a13, a14, a15, b11, b12, b13, d10, d11, d12, d13, d14) are used to identify specific elements within the interface.

FIG.16

FIG. 16 is a schematic diagram of a printer properties dialog box. The dialog box has a title bar with a question mark icon and a close button. Below the title bar is a tabbed interface with three tabs: "BASIC" (selected), "EDITING", and "OTHERS".

The "BASIC" tab contains the following elements:

- Printer Name:** A text field labeled "PRINTER NAME:" with a value of "FOOT 04188660".
- One-Click Set Name:** A text field labeled "ONE-CLICK SET NAME:" with a value of "NORMAL".
- Sort (Per One Part):** A checkbox labeled "SORT (PER ONE PART)" which is currently unchecked.
- Staple and Punch Options:** A section containing two sub-sections:
 - UPPER LEFT STAPLE:** A diagram showing a staple being applied to the upper left corner of a document. The diagram is labeled "UPPER LEFT STAPLE" and "a11". It includes a sub-diagram labeled "I102" showing the staple's position relative to the document's edges.
 - UPPER SIDE, TWO:** A diagram showing two staples being applied to the upper side of a document. The diagram is labeled "UPPER SIDE, TWO" and "a32".
- Staple and Punch Icons:** A section containing two sub-sections:
 - STAPLE:** A diagram showing a staple being applied to a document. The diagram is labeled "STAPLE" and "d31". It includes a sub-diagram labeled "I21" showing the staple's position relative to the document's edges.
 - PUNCH:** A diagram showing a punch being applied to a document. The diagram is labeled "PUNCH" and "d32".

At the bottom of the dialog box are three buttons: "RETURN TO STANDARD", "STORE WITH A NAME", and "CANCEL". The "STORE WITH A NAME" button is labeled with "b18".

FIG. 17

PRINTER PROPERTIES

PRINTING FUNCTION | PRINTING QUALITY

ONE-CLICK SET NAME: AGGREGATION 1/2, STAPLE: UPPER LEFT

CONTROL OF ICON

DOUBLE FACE **AGGREGATION (DOUBLE FACE)** **STAPLE UPPER LEFT (DOUBLE FACE)** **AGGREGATION 1/2, STAPLE: UPPER LEFT**

PAPER FEED TRAY: **AUTOMATIC TRAY SELECTION**

PAPER TYPE: **REGULAR PAPER**

PAPER EJECTING DESTINATION: **FINISHER TRAY 2**

DOCUMENT ORIENTATION: ☒ LENGTHWISE ☐ SIDEWISE

DOCUMENT SIZE: A4 (210X297mm)

PRINTING PAPER SIZE: SAME AS DOCUMENT SIZE

NUMBER OF SETS: 1

PRINTING DIRECTION: NORMAL PRINTING

SETTING OF PRINTING METHOD: RETURN TO STANDARD

STORE WITH A NAME **CANCEL** **HELP**

INITIAL SETTING

FIG. 18

PRINTER

BASIC EDITING FINISHING OTHERS

ONE-CLICK SET NAME:
NORMAL

PRINTING SIZE:
A4 (210 (297 MM)

PRINTING PAPER SIZE:
SAME AS DOCUMENT SIZE

AGGREGATED OR ENLARGED RAPID SHOOTING : FROM LEFT TO RIGHT
AGGREGATE TWO PAGES IN ONE PAGE

1 2 2 1

DOUBLE FACE/BINDING : DOUBLE FACE, OPEN TO LEFT

1 2 3 4 5 6 7 8

CONFIDENTIAL

ADD IMAGE STAMP

BINDING MARGIN : RIGHT FACE: 0.0 MM : REAR FACE : 0.0 MM

DETAILS OF BINDING MARGIN

ADD CHARACTER STAMP

EDIT DELETE

RETURN TO STANDARD

STORE WITH A NAME

CANCEL HELP

FIG. 19

PRINTER

BASIC EDITING FINISHING OTHERS

ONE-CLICK SET NAME: a10

NORMAL

AGGREGATED OR ENLARGED RAPID SHOOTING: FROM LEFT TO RIGHT

AGGREGATE TWO PAGES IN ONE PAGE ▼ ☒ PARTITION LINE a13

1 2

d11

2 1

a12

d14

☒ DOUBLE FACE/BINDING : DOUBLE FACE, OPEN TO LEFT

☒ STAMP a15

CONFIDENTIAL ▼

ADD IMAGE STAMP

EDIT DELETE

ADD CHARACTER STAMP

☐ BINDING MARGIN : RIGHT FACE: 0.0 MM : REAR FACE : 0.0 MM

DETAILS OF BINDING MARGIN

PRINTING SIZE: A4 (210X297mm)

PRINTING PAPER SIZE: SAME AS DOCUMENT SIZE

RETURN TO STANDARD

STORE WITH A NAME a18

CANCEL HELP

b11, b12, b13

20/21

PRINTER PROPERTIES

PRINTING FUNCTION PRINTING QUALITY

ONE-CLICK SET NAME:

11 AGGREGATION STAPLE UPPER LEFT (DOUBLE FACE)

12 STAPLE UPPER LEFT (DOUBLE FACE)

13 STAPLE UPPER LEFT

14 AGGREGATION 1/2, STAPLE: UPPER LEFT

15 CONTROL OF ICON

DOUBLE FACE STAMP PUNCH

PAPER FEED TRAY:

SELECT AUTOMATIC TRAY

PAPER TYPE:

REGULAR PAPER

PAPER EJECTING DESTINATION:

FINISHER TRAY 1

ONE-CLICK SETTING CREATION/CHANGE

DOCUMENT ORIENTATION:

☒ LENGTHWISE ☐ SIDEWISE

DOCUMENT SIZE:

A4 (210X297mm)

MAGNIFICATION (%): 100

NUMBER OF SETS: 1

PRINTING DIRECTION:

NORMAL PRINTING

DETAILS OF PRINTING METHOD

RETURN TO STANDARD

PRINTING PAPER SIZE:

SAME AS DOCUMENT SIZE

INITIAL SETTING

OK CANCEL APPLY (A) HELP

FIG.22

